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Amendments to the Claims:

1. (Currently amended) An isolated nucleic acid molecule having a nucleotide sequence selected from the group consisting of:

- (a) a nucleotide sequence encoding a polypeptide comprising the amino acid sequence set forth in SEQ ID NO:20;
- (b) a nucleotide sequence comprising the coding sequence set forth in nucleotides 73-249 of SEQ ID NO:17 or nucleotides 64-240 of SEQ ID NO:14;
- (c) a nucleotide sequence encoding a polypeptide having at least 90% 80% sequence identity to the amino acid sequence set forth in SEQ ID NO:20, wherein said polypeptide retains pesticidal activity;
- (d) a nucleotide sequence encoding a polypeptide comprising <u>a functional</u> <u>fragment at least 10 contiguous amino acids</u> of the amino acid sequence set forth in SEQ ID NO:20, wherein said polypeptide retains pesticidal activity;
- (e) a nucleotide sequence comprising at least 30 contiguous nucleotides of the coding sequence set forth in nucleotides 73-249 of SEQ ID NO:17 or nucleotides 64-240 of SEQ ID NO:14;
- (f) a nucleotide sequence having at least 90% 80% sequence identity to the coding sequence set forth in nucleotides 73-249 of SEQ ID NO:17 or nucleotides 64-240 of SEQ ID NO:14, wherein said nucleotide sequence encodes a polypeptide having pesticidal activity; and
- (g) a nucleotide sequence consisting of a complement of the nucleotide sequence in (a), (b), (c), (d), (e), (f), or a complement thereof, wherein said sequence encodes a polypeptide having pesticidal activity.
- 2. (Original) An expression cassette comprising a nucleic acid molecule of claim 1, wherein said nucleotide sequence is operably linked to a promoter.

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3. (Original) The expression cassette of claim 2, wherein said promoter is selected from the group consisting of constitutive, inducible, and tissue-preferred promoters.

4. (Original) The expression cassette of claim 2, wherein said promoter is a vascular tissue-preferred promoter.

5. (Original) A host cell expressing a polypeptide encoded by any one of the nucleic acid molecules of claim 1.

6. (Original) The host cell of claim 5, wherein the host cell is selected from the group consisting of fungi, yeast, plant, mammal, and insect cells.

7. (Currently amended) A virus comprising the an-isolated nucleic acid of claim 1.

8-10. (Canceled)

11. (Currently amended) A recombinant baculovirus expression vector comprising a nucleotide sequence encoding a polypeptide having the an-amino acid sequence set forth in SEQ ID NO:20.

12. (Previously presented) A recombinant baculovirus expression vector comprising a nucleotide sequence encoding a polypeptide consisting of at least 10 contiguous amino acids of SEQ ID NO:20.

13. (Currently amended) A transformed plant comprising in its genome at least one stably incorporated expression cassette comprising a nucleotide sequence operably linked to a promoter that drives expression in a plant cell, wherein said nucleotide sequence is selected from the group consisting of:

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- (a) a nucleotide sequence encoding a polypeptide comprising the amino acid sequence set forth in SEQ ID NO:20;
- (b) a nucleotide sequence comprising the coding sequence set forth in nucleotides 73-249 of SEQ ID NO:17 or nucleotides 64-240 of SEQ ID NO:14;
- (c) a nucleotide sequence encoding a polypeptide having at least 90% 80% sequence identity to the amino acid sequence set forth in SEQ ID NO:20, wherein said polypeptide retains pesticidal activity;
- (d) a nucleotide sequence encoding a polypeptide comprising <u>a functional</u> <u>fragment at least 10 contiguous amino acids</u> of the amino acid sequence set forth in SEQ ID NO:20, wherein said polypeptide retains pesticidal activity;
- (e) a nucleotide sequence comprising at least 30 contiguous nucleotides of the coding sequence set forth in nucleotides 73-249 of SEQ ID NO:17 or nucleotides 64-240 of SEQ ID NO:14;
- (f) a nucleotide sequence having at least 90% 80% sequence identity to the coding sequence set forth in nucleotides 73-249 of SEQ ID NO:17 or nucleotides 64-240 of SEQ ID NO:14, wherein said nucleotide sequence encodes a polypeptide having pesticidal activity; and
- (g) a nucleotide sequence consisting of a complement of the nucleotide sequence in (a), (b), (c), (d), (e), (f), or a complement thereof, wherein said sequence encodes a polypeptide having pesticidal activity.
- 14. (Original) The transformed plant of claim 13, wherein said promoter is selected from the group consisting of constitutive, inducible, and tissue-preferred promoters.
- 15. (Original) The transformed plant of claim 13, wherein said promoter is a vascular tissue-preferred promoter.
- 16. (Original) The transformed plant of claim 13, wherein said promoter is an insect-inducible promoter.

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17. (Original) The transformed plant of claim 13, wherein said plant is a crop plant selected from the group consisting of maize, wheat, sorghum, rice, barley, soybean, alfalfa, sunflower, *Brassica*, and tomato.

- 18. (Original) The transformed plant of claim 17, wherein said crop plant is rice.
- 19. (Currently amended) Transformed A transformed seed of the plant of claim 13.
- 20. (Original) The transformed plant of claim 13, wherein said promoter is a vascular tissue-preferred promoter, said plant is rice, and said nucleotide sequence encodes the polypeptide set forth in SEQ ID NO:20 (Aam1).
- 21. (Original) The plant of claim 13, wherein said plant exhibits altered insect resistance.
- 22. (Original) The plant of claim 21, wherein said insect resistance is impacting insects selected from the group consisting of Homopteran, Hymenopteran, and Lepidopteran species.
- 23. (Currently amended) A method for altering plant pest resistance, said method comprising stably transforming into a plant cell a nucleotide sequence operably linked to a promoter that drives expression in said plant cell, wherein said nucleotide sequence comprises a nucleotide sequence selected from the group consisting of:
- (a) a nucleotide sequence encoding a polypeptide comprising the amino acid sequence set forth in SEQ ID NO:20;
- (b) a nucleotide sequence comprising the coding sequence set forth in nucleotides 73-249 of SEQ ID NO:17 or nucleotides 64-240 of SEQ ID NO:14;

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- (c) a nucleotide sequence encoding a polypeptide having at least 90% 80% sequence identity to the amino acid sequence set forth in SEQ ID NO:20, wherein said polypeptide retains pesticidal activity;
- (d) a nucleotide sequence encoding a polypeptide comprising <u>a functional</u> <u>fragment at least 10 contiguous amino acids</u> of the amino acid sequence set forth in SEQ ID NO:20, wherein said polypeptide retains pesticidal activity;
- (e) a nucleotide sequence comprising at least 30 contiguous nucleotides of the coding sequence set forth in nucleotides 73-249 of SEQ ID NO:17 or nucleotides 64-240 of SEQ ID NO:14;
- (f) a nucleotide sequence having at least 90% 80% sequence identity to the coding sequence set forth in nucleotides 73-249 of SEQ ID NO:17 or nucleotides 64-240 of SEQ ID NO:14, wherein said nucleotide sequence encodes a polypeptide having pesticidal activity; and
- (g) a nucleotide sequence consisting of a complement of the nucleotide sequence in (a), (b), (c), (d), (e), (f), or a complement thereof, wherein said sequence encodes a polypeptide having pesticidal activity.
- 24. (Original) The method of claim 23, wherein said promoter is selected from the group consisting of constitutive, inducible, and tissue-preferred promoters.
- 25. (Original) The method of claim 23, wherein said promoter is a vascular tissue-preferred promoter.
- 26. (Original) The method of claim 23, wherein said promoter is an insect-inducible promoter.
 - 27. (Original) The method of claim 23, wherein said pest resistance is insect resistance.

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28. (Previously presented) The method of claim 23, wherein said promoter is a vascular tissue preferred promoter, said plant is rice, said nucleotide sequence encodes the polypeptide set forth in SEQ ID NO:20 (Aam1), and said plant possesses altered insect resistance to both Homopteran and Lepidopteran species of insects.

29. (Original) The method of claim 28, wherein said Lepidopteran species of insect is resistant to a Bt toxin.

30. (Original) The method of claim 23, wherein said plant is a crop plant selected from the group consisting of maize, wheat, sorghum, rice, barley, soybean, alfalfa, sunflower, *Brassica*, and tomato.

31. (Original) The method of claim 27, wherein said insect resistance impacts insects selected from the group consisting of Homoptera, Lepidoptera, and Hymenoptera.

32-37. (Canceled)

38. (Previously presented) The nucleic acid molecule of claim 1, wherein said nucleotide sequence encoding said polypeptide further comprises an operably linked sequence encoding a signal peptide.

39. (Previously presented) The nucleic acid molecule of claim 38, wherein said polypeptide comprises the amino acid sequence set forth in SEQ ID NO:20, and said nucleotide sequence comprises the sequence set forth in SEQ ID NO:17 or SEQ ID NO:14.

40. (Previously presented) The transformed plant of claim 13, wherein said nucleotide sequence encoding said polypeptide further comprises an operably linked sequence encoding a signal peptide.

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41. (Previously presented) The transformed plant of claim 40, wherein said polypeptide comprises the amino acid sequence set forth in SEQ ID NO:20, and said nucleotide sequence comprises the sequence set forth in SEQ ID NO:17 or SEQ ID NO:14.

- 42. (Previously presented) The method of claim 23, wherein said nucleotide sequence encoding said polypeptide further comprises an operably linked sequence encoding a signal peptide.
- 43. (Previously presented) The method of claim 42, wherein said polypeptide comprises the amino acid sequence set forth in SEQ ID NO:20, and said nucleotide sequence comprises the sequence set forth in SEQ ID NO:17 or SEQ ID NO:14.